7 4 5 6 2 4

β ~~ABSTRACT:~~

A O J 7 4 4 c f o 1 7 4 c 0 1 c c ~~ ~~ 4 c

The invention relates to a method of and a device for forming an image which is composed of a plurality of sub-areas, a read-out unit being associated with each sub-area and image data of adjoining image areas of neighboring sub-areas being evaluated in order to 'mitigate differences in amplification, which device includes a detector with a plurality of

5   sensor elements for forming image data, read-out units which are associated with the sub-areas of the image, an analysis unit which is arranged to evaluate image data from adjoining image areas of neighboring sub-areas and to generate correction data, a correction unit which is arranged to correct incorrect image data by means of correction data, thus enabling a regular and accurate recalibration or correction of non-linear amplifier behavior to be

10 performed without necessitating an additional X-ray dose or interventions by the user.

A   ~~Fig. 2~~